

20030410.qrp v02_n886.qrl.20030410

Date: Thu, 10 Apr 2003 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2886

QRP-L Digest 2886

Topics covered in this issue include:

- 1) [148803] Re: Antenna reel in an altoids tin??
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 2) [148804] Schematic Notation Question
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 3) [148805] Re: AT Sprint - was Re: SP posts?
by Mike Czuhajewski <wa8mcq@comcast.net>
- 4) [148806] New Search Engine
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 5) [148807] Re: 'Rock-Mite RTTY' project docs have begun...
by "Bill, N4QA" <n4qa@hotmail.com>
- 6) [148808] Re: Schematic Notation Question
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 7) [148809] Re: Schematic Notation Question
by "Chris Trask" <chistrask@earthlink.net>
- 8) [148810] Re: Interesting SMT Inductor observation...
by "carl seyersdahl" <carlseye@tampabay.rr.com>
- 9) [148811] Re: Schematic Notation Question
by David Hinerman <WD8CIV@worldnet.att.net>
- 10) [148812] Re: Antenna reel in an altoids tin??
by "E. Roswell" <eroswell@monmouth.com>
- 11) [148813] Re: Schematic Notation Question
by "DTX" <dtx@wood.tzo.com>
- 12) [148814] Free contest software
by "Walter Amos" <waltk8cvaqsrp@earthlink.net>
- 13) [148815] Wind up generator/ battery charger?
by "Larry Sorrow" <ke4itn@corrcomm.net>
- 14) [148816] Re: Schematic Notation Question
by Ed Tanton <n4xy@earthlink.net>
- 15) [148817] 6L6 qrp TX and regenerative RX
by "AI2Q" <ai2q@adelphia.net>
- 16) [148818] Re: Schematic Notation Question
by "w8diz" <w8diz@fpqrp.com>
- 17) [148819] Re: 2M beam from FM or TV antenna
by "cal.jsi" <cal.jsi@verizon.net>
- 18) [148820] NEQRP CW Net, Thursday, 10 April 03, 08:30 PM EDT, 3.568 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 19) [148821] Re: AT Sprint - was Re: SP posts?

by "John A. Evans - N0HJ" <jaevans@codenet.net>

20) [148822] Re: Weather/Band Conditions
by Tim Groat <tcgroat@earthlink.net>

21) [148823] VW solar panel
by "Stuart Rohre" <rohre@arlut.utexas.edu>

22) [148824] For Sale:
by "Delbert Long" <ad6we@hotmail.com>

23) [148825] April Spartan Sprint Results - Long
by "John Huffman" <hjohnc@core.com>

24) [148826] Satellite equipment
by "Karl F. Larsen" <k5di@zianet.com>

25) [148827] VW Solar panel voltage variation
by "Stuart Rohre" <rohre@arlut.utexas.edu>

26) [148828] N1MM Logger is FREE was Re: Free contest software
by Brian Short <bshort4@cox.net>

27) [148829] Re: Alternative Energy
by Edgar R Guillot <n5ed@juno.com>

28) [148830] Re: Schematic Notation Question
by Pete Burbank <plburbank@Earthlink.net>

29) [148831] Re: VW Solar panel voltage variation
by Bill Meara <n2cqr@clix.pt>

30) [148832] Re: N1MM Logger is FREE was Re: Free contest
software
by Bob Patten <n4bp@bellsouth.net>

31) [148833] Thanks for info on Antenna reel in Altoids.
by "Brockwell, Stephen E. CECOM SEC FSSE GPI"
<steve.brockwell@us.army.mil>

32) [148834] Re: N1MM Logger is FREE was Re: Free contest
software
by Alex <kr1st@amsat.org>

33) [148835] Re: Wind up generator/ battery charger?
by Steve.Lawrence@ITWFEG.COM

34) [148836] Re: Schematic Notation Question
by KD5NWA <KD5NWA@cbayona.com>

35) [148837] Re: Wind up generator/ battery charger?
by "Mike Yetsko" <myetsko@insydesw.com>

36) [148838] TV antenna for ham(vhf) use..I have a RS log periodic..matching?
by ve3ab@mail.mondenet.com

37) [148839] Re: N1MM Logger is FREE was Re: Free contest
software
by Bob Patten <n4bp@bellsouth.net>

38) [148840] Re: N1MM Logger is FREE was Re: Free contest
software
by Alex <kr1st@amsat.org>

39) [148841] Re: N1MM Logger is FREE was Re: Free contest
software
by Brian Short <bshort4@cox.net>

40) [148842] KITS: DSW-II - preliminary info

by "Dave Benson" <nn1g@earthlink.net>
41) [148843] Re: Nor'Easter For Sale
by Casey Ray <clray@usc.edu>
42) [148844] [Fwd: Re: N1MM Logger is FREE was Re: Free contest
software]
by Bob Patten <n4bp@bellsouth.net>
43) [148845] Re: KITS: DSW-II - preliminary info
by W2AGN <w2agn@w2agn.net>
44) [148846] Corrections-April Spartan Sprint Results
by "John Huffman" <hjohnc@core.com>
45) [148847] Re: KITS: DSW-II - preliminary info
by "Joe Martin" <km5cw@arrl.net>
46) [148848] WAS: Schematic Notation Question-now: EURO symbols
by Ed Tanton <n4xy@earthlink.net>
47) [148849] Group Thank-you
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
48) [148850] Rig for sale
by "KB9BVN" <brian@iquest.net>
49) [148851] Re: N1MM Logger is FREE was Re: Free contest
software
by "George, W5YR" <w5yr@att.net>
50) [148852] /QRP v. /Q
by palmer_t <ThomasPalmer@colliergov.net>
51) [148853] Other power appliances
by "Hartwell, Martin E, ALABS" <mehartwell@att.com>
52) [148854] Stupid Antenna Questions
by David Hochfelder <hochfeld@rci.rutgers.edu>
53) [148855] Re: /QRP v. /Q
by Ed Lawson <k1vp@grizzly.com>
54) [148856] Re: KITS: DSW-II - preliminary info
by Randy Moore <wrmoore47@comcast.net>
55) [148857] Re: /QRP v. /Q
by W2AGN <w2agn@w2agn.net>
56) [148858] Spring Clean - RE-DO
by "KB9BVN" <brian@iquest.net>
57) [148859] Re: /QRP v. /Q
by "Jim N0UR" <n0ur@attbi.com>
58) [148860] Re: Stupid Antenna Questions
by Ed Tanton <n4xy@earthlink.net>
59) [148861] Balanced Output QRP Rig?
by Rob Matherly <w0jrm@arrl.net>
60) [148862] Re: Stupid Antenna Questions
by David Hinerman <WD8CIV@worldnet.att.net>
61) [148863] Re: Stupid Antenna Questions
by W2AGN <w2agn@w2agn.net>

Date: Wed, 9 Apr 2003 13:13:10 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@Lehigh.EDU>
Subject: [148803] Re: Antenna reel in an altoids tin??
Message-ID: <000701c2fed4\$713f7060\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve, I think that you are thinking of The Gummer Winder, by Tony Colaguori, W2GUM that appeared in the very first issue of QRP Homebrewer, the excellent publication put out by George Heron and the NJ QRP folks. I went to the web page, but could not find any pictures or details. I saw it, and was quite impressed with it. Very well done. Maybe someone else has more info for you. 72, Doug, KI6DS

Date: Wed, 9 Apr 2003 13:33:05 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [148804] Schematic Notation Question
Message-ID: <08D18BEFE0F59E4EB2BB78107B5A5271017376C2@blaze.bcsc.gov.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

While perusing a schematic for a little home-brew project, I noticed some value notations I haven't run into before. There are a couple of resistors that are designated as "6K8" and "4K7". Should this be interpreted as 6.8K and 4.7K respectively?

Doug VA7DD

Date: Wed, 09 Apr 2003 16:44:00 -0400
From: Mike Czuhajewski <wa8mcq@comcast.net>
To: qrp-1@Lehigh.EDU
Cc: Mike Czuhajewski <wa8mcq@comcast.net>
Subject: [148805] Re: AT Sprint - was Re: SP posts?
Message-ID: <001301c2fed8\$c2f19b00\$6401a8c0@gambrl01.md.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Yes, by all means, keep the discussion on QRP-L. We have far too many different QRP lists as it is. Please don't contribute to the further splintering of the QRP community by splitting off a technical discussion to another venue.

73 and queue our pea DE WA8MCQ

Date: Wed, 9 Apr 2003 18:00:18 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [148806] New Search Engine
Message-ID: <20030409175957.R21711-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This may be of assistance to those who are huntin' stuff:

<http://new.search.yahoo.com/web/advanced>

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Wed, 09 Apr 2003 18:55:00 -0400
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [148807] Re: 'Rock-Mite RTTY' project docs have begun...
Message-ID: <BAY1-F6hdn1KVHYS8YV0002381a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Stan and gang,

I'd like to address Stan's questions/statements.

First, I'd like to report on the first Rock-Mite RTTY 'QSO'.
Ok, it was only between my RM-20 and my TS-440S both running QRPP levels into dummy loads and separated by a dx of only a few feet.
Each xcvr is appropriately connected to separate PCs running 'MMTTY' from JE3HHT. Long story short, both the Rock-Mite-20 and the '440 successfully transmitted and received perfect RTTY copy. Today, the bar in the den...tomorrow(?) the ether...:)
BTW, I've also received a couple of inquiries as to my hours of Rocky-RTTY operation...I'm generally a little below 14060 KHz from 2200Z-0300Z daily...though receiving much of that time...

Ok, on the matter of shift...I explained early on that, in order to minimize rig mods, I'd stick to 'stock-rock' shift of ~700 Hz.
I realize that using standard shift is more palatable, for a variety of reasons, and that narrow(170 Hz) shift results in better s/n...

I do not lock down the key during transmit...
As my interface schematic shows, 'MMTTY' keys the Rock-Mite via RS-232C 'RTS' with 'TXD' controlling shift. And, incidentally, 'normal' CW operation of the Rock-Mites is totally unaffected by my mods.

Neither do I use a separate receiver...this is also evidenced in the interface schematic.

As far as the operating freq is concerned, an extra set of xtals might obviate any freq turf problems which might be encountered.

Finally, is a Rock-Mite an ideal RTTY rig? Of course not.
But, does the addition of a mode to the rig's capability constitute poor usage of that rig...I don't think so... :)

box...there's a box?
73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

MSN 8 with e-mail virus protection service: 2 months FREE*
<http://join.msn.com/?page=features/virus>

Date: Wed, 9 Apr 2003 19:37:48 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <Doug.Davies@gems3.gov.bc.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148808] Re: Schematic Notation Question
Message-ID: <007501c2fef1\$0838aa60\$2e2c2041@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You are right , Doug. The k seems to be the way the eu. group shows a decimal point.

carl / kz5ca

----- Original Message -----

From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, April 09, 2003 4:33 PM
Subject: Schematic Notation Question

> While perusing a schematic for a little home-brew project, I noticed some
> value notations I haven't run into before. There are a couple of
resistors
> that are designated as "6K8" and "4K7". Should this be interpreted as
6.8K
> and 4.7K respectively?
>
> Doug VA7DD

Date: Wed, 9 Apr 2003 16:48:29 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: <Doug.Davies@gems3.gov.bc.ca>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148809] Re: Schematic Notation Question
Message-ID: <011c01c2fef2\$86ee4c60\$61c29d40@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

>
> While perusing a schematic for a little home-brew project, I noticed
> some value notations I haven't run into before. There are a couple
> of resistors that are designated as "6K8" and "4K7". Should this
> be interpreted as 6.8K and 4.7K respectively?
>

Yes

```

      ,-----,
      /   What's all this   \
      / extinct stuff, anyhow? \
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      \   c__; c__; '---'>._

```

High Performance Mixers and
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Chris Trask / N7ZWY
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Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: chistrask@earthlink.net
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

Date: Wed, 9 Apr 2003 19:47:31 -0400
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: <mertnellis@msn.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148810] Re: Interesting SMT Inductor observation...
Message-ID: <[007e01c2fef2\\$633edc80\\$2e2c2041@tampabay.rr.com](mailto:007e01c2fef2$633edc80$2e2c2041@tampabay.rr.com)>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is something I hadn't thought about, but it seems to be a subject worth investigating as far as "tuning " is concerned.!!!

Many years ago(more than I want to admit to) we had coils on ceramic forms, many of which had a slug inside, and that slug was half iron and half brass. !! The idea was that the iron part increased the inductance, while the brass part would decrease the inductance.; !! It would seem that this would increase the total tuning range of the slug.!!!

Just another long forgotten memory. !!!!

carl / kz5ca

----- Original Message -----

From: "Merton Nellis" <mertnellis@msn.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Wednesday, April 09, 2003 12:15 AM

Subject: Re: Interesting SMT Inductor observation...

>

> Hi Ed,

> Yes, inductors with magnetic material as cores change inductance from a
> maximum with no biasing magnetic field to a lower value as a bias field is
> applied. A coil with an high permeability iron core may have a high
> inductance with no external field applied but, If enough field is applied,
> the core can be saturated with magnetic flux so that the core then has a
> permeability close to that of air. That makes the coil inductance near
> that

> of an air wound coil. The bias field can be applied to a core with a
> separate winding carrying d.c. rather than with a permanent magnet.
> This principle is used to make saturable reactor controls and magnetic
> amplifiers. It is about like inserting and removing an iron core from a
> coil. You can imagine how that would work.
> Learning by experimentation is fun and impressive.

> Too bad I can't point you to some pictures on this subject but maybe
someone

> else will.

> 73/72 Mert W0UFO MNQRP

>

> w0ufo@arrl.net

>

> >From: Ed Tanton <n4xy@earthlink.net>

> >Reply-To: n4xy@earthlink.net

> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> >Subject: Interesting SMT Inductor observation...

> >Date: Tue, 08 Apr 2003 19:14:53 -0400

> >

> >I have been sorting my SMT parts (continually for what seems like AGES)
> >remember the small aluminum cases I mentioned-coming from MicroMark, and
> >have lately been finishing things off with the coils I have in several
> >places. The range for SMT seems to be from 4.7nH (0.0047uH) through 1mH.

A

> >month or 2 ago I bought one of Brad Thompson's (AA1IP

> ><brad.thompson@valley.net>) SMT coil assortments, and wanted to integrate
> >them into my coils.

> >

> >One of these was a TDK Ferrite Choke (120 ohms at 100Mhz) and it looked
> >VERY similar to some I had already measured and sorted. Measuring this

one

> >with the AADE II (with is ESSENTIAL below 1uH since my Peak Atlas LCR stops
> >there) it was ~ 3.8uH (or 3827 nH.) Looking in the small container from the
> >appropriate case, no joy. The similarity is that both the 'new' TDKs and
> >the older, sorted pieces have a virtually identical body with a pair of
> >red-painted sides. I figured that maybe I'd better check these others.
> >
> >They turned up in the 0.5-0.59uH (500-599nH) container. Measuring them
> >again, it turns out they were lumped into that container a bit
> >precipitously... the SMT 'coils' ranged from 418nH to almost 600nH.
So...

> >I set up the AADE II, dumped them on the clipboard with graph paper I use
> >while sorting such things, and began sorting. There were about 20 or 30
> >total (these came from that shoebox-1/2-full [literally] of SMT
> >'floor-sweepings' I bought surplus a couple of years ago) and the
procedure
> >is to pick them up with the Pomona SMT tweezers, and see whether they
> >belong in the 400-4499nH container, or the 500-599nH unit.
> >

> >Now for the interesting thing I noticed. Once I was getting close to
having
> >all of them sorted, I noticed the large magnet self-attached to my
desktop
> >receiver rack. Then I remembered that these were retrievable using the
> >magnetism I have applied to the pair of fine needle-nose pliers I use for
> >sorting them (when I don't HAVE to use the tweezers.) Hmmm... Magnetic...
I

> >thought: why not see how the inductance would behave around the strong
> >magnet. I don't know why, but I always figured a magnet would INCREASE
the
> >inductance of such an inductor (that is, one whose core is clearly
> >magnetic.)
> >

> >OK... I took one of these inductors and measured it at 525nH (0.5mH)
moved
> >the magnet to the tabletop. Tried the backside (it's attached to a
slightly
> >larger, thin metal plate. Negligible. Next, I turned over the magnet, and
> >brought the inductor near the 'face' of the 1.5" x 3.5" x 5/16" (3.5cm x
> >8.9cm x 0.8cm) magnet. Interesting: the inductance changed to ~ 200nH
> >(0.2uH). Then, I moved the tweezers/inductor to the end of the magnet.
Wow.

> >The inductance went from its usual 525nH to 43nH (0.043uH)!!!
> >
> >Finally, I tried moving the 'coil' all around the magnet, and found that
> >the changes did indeed vary with distance, just as you'd expect, using

the
> >less-magnetic 'face' side of the magnet. It did not seem to matter which
> >side/or end of the coil I used.
> >
> >So, does anyone have an explanation for the REDUCTION in inductance this
> >little (hopefully interesting) piece of playing around has indicated?
> >
> >73 Ed Tanton N4XY <n4xy@earthlink.net>
> >
> >Ed Tanton N4XY
> >189 Pioneer Trail
> >Marietta, GA 30068-3466
> >
> >website: <http://www.n4xy.com>
> >
> >All emails <IN> & <OUT> checked by
> >Norton AntiVirus with AutoProtect
> >
> >LM: ARRL QCWA AMSAT & INDEXA;
> >SEDXC NCDXA GACW QRP-ARCI
> >OK-QRP QRP-L #758 K2 (FT) #00057
> >
> >-----
> >"He that gives up a little liberty to gain
> >temporary security will lose both and
> >deserve neither".
> >--Benjamin Franklin
> >
> >"Suppose you were an idiot ...
> >and suppose you were a member of
> >Congress... but I repeat myself."
> >--Mark Twain
> >-----
> >
> >
> >
> >
> >-----
> Tired of spam? Get advanced junk mail protection with MSN 8.
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>

Date: Wed, 09 Apr 2003 19:47:21 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-1@lehigh.edu
Subject: [148811] Re: Schematic Notation Question
Message-ID: <5.1.1.6.1.20030409194621.00b28948@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:33 PM 4/9/2003 -0700, you wrote:

>While perusing a schematic for a little home-brew project, I noticed some
>value notations I haven't run into before. There are a couple of resistors
>that are designated as "6K8" and "4K7". Should this be interpreted as 6.8K
>and 4.7K respectively?

Doug,

You are correct. That's notation is more of a European convention. Despite that, I think it's a good idea. (Grin)

Dave

Dave Hinerman
WD8CIV@att.net

Date: Wed, 09 Apr 2003 19:50:54 -0400
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [148812] Re: Antenna reel in an altoids tin??
Message-ID: <3E94B1DD.AD3429ED@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tony Colaguori, W2GUM, a master QRP'er and fabricator, made this reel; it may have been seen on the NJ-QRP site for a short period, either as a picture from a club meeting or as an item in "show & tell" at a past Atlanticon. I don't right off see where it might be on the NJ-QRP site now though. Tony has been off-line for a period, but I expect him to be back on "soon". If you would care to e-Mail me direct in a couple of weeks as a reminder, I'll connect you to him.

73, Ed, K2MGM.

Date: Wed, 9 Apr 2003 16:58:25 -0700

From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [148813] Re: Schematic Notation Question
Message-ID: <004301c2fef3\$e950f460\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, with R and M being used in the same manner for ohms and megaohms.

Gary WA6DTX

----- Original Message -----

From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, April 09, 2003 1:33 PM
Subject: Schematic Notation Question

> While perusing a schematic for a little home-brew project, I noticed some
> value notations I haven't run into before. There are a couple of
resistors
> that are designated as "6K8" and "4K7". Should this be interpreted as
6.8K
> and 4.7K respectively?
>
> Doug VA7DD
>

Date: Wed, 9 Apr 2003 11:45:46 -0400
From: "Walter Amos" <waltk8cvamosqrp@earthlink.net>
To: "Qrp-L Posts" <qrp-1@lehigh.edu>
Subject: [148814] Free contest software
Message-ID: <000301c2fef6\$0cbb3300\$cbed5aa6@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

CT is now Freeware

<http://www.k1ea.com/ctvault/>

help is at

ct-user@contesting.com

Walt K8CV Royal Oak, MI.

Date: Wed, 9 Apr 2003 19:24:06 -0500
From: "Larry Sorrow" <ke4itn@corrcomm.net>
To: <qrp-1@lehigh.edu>
Subject: [148815] Wind up generator/ battery charger?
Message-ID: <001401c2fef7\$7fbc0180\$8f705341@ke4itn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe I am way out there in left field (I usually am).
Has any one ever given any thought of a spring driven wind up battery
charger, to charge say a small gel cell battery in the field? The thought
would be to charge one battery while opearting from the other. I am far from
a mechanical engineer but is it possible?

Date: Wed, 09 Apr 2003 20:31:42 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: Doug.Davies@gems3.gov.bc.ca,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148816] Re: Schematic Notation Question
Message-ID: <5.2.0.9.2.20030409202944.03c5c610@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

You have it Doug. And: 6R8 would be 6.8 ohms, etc. Saves 1 character width,
and the "K" is a lot easier to read (or not be chipped off) than a decimal.

///snip

There are a couple of resistors that are designated as "6K8" and
"4K7". Should this be interpreted as 6.8K and 4.7K respectively?

>Doug VA7DD

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Wed, 9 Apr 2003 20:37:46 -0400
From: "AI2Q" <ai2q@adelphia.net>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [148817] 6L6 qrp TX and regenerative RX
Message-ID: <000301c2fef9\$68b37b60\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Some QRP-L ops have asked me to send them schematics of my 8-watt 6L6 rig
and mating tube receiver.

The info and photos are now on my Web site at
http://users.adelphia.net/~alexmm/1930/OT_rig.htm

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687 .-.-.

Date: Wed, 9 Apr 2003 20:42:39 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <Doug.Davies@gems3.gov.bc.ca>, <qrp-1@Lehigh.EDU>
Subject: [148818] Re: Schematic Notation Question
Message-ID: <003201c2fefaf17467dd0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Doug,

You are correct but...
it takes less to designate the component as 6k8.
It comes from the old days of Blue Prints that were notorious
for having faded areas and sometimes you would not be able to
see the dot. There is a big difference between 68k and 6k8.
Can you imagine a production shop manufacturing electronic
equipment with the wrong values :)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

----- Original Message -----

From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, April 09, 2003 4:33 PM
Subject: Schematic Notation Question

While perusing a schematic for a little home-brew project, I noticed some
value notations I haven't run into before. There are a couple of resistors
that are designated as "6K8" and "4K7". Should this be interpreted as 6.8K
and 4.7K respectively?

Doug VA7DD

Date: Wed, 9 Apr 2003 20:56:21 -0400

From: "cal.jsi" <cal.jsi@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.edu>
Subject: [148819] Re: 2M beam from FM or TV antenna
Message-ID: <001201c2fefc\$00ca3220\$fc53fea9@Sharon>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike and others,

I think the article you want is by K3PF, pp 34-37, July 1999 QST.

72/73

Cal K4JSI

Date: Wed, 09 Apr 2003 21:22:29 -0400
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jona1.net, qrp-l@lehigh.edu
Subject: [148820] NEQRP CW Net, Thursday, 10 April 03, 08:30 PM EDT, 3.568 MHz
Message-ID: <3E94C755.2A82C1DF@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 10 April 2003, at 8:30 PM EDT (00:30Z, 11 Apr 03) on or near 3.568 MHz. All hams are welcome. Net control operator will be John, WB1HBE, operating from Chelmsford, MA. Again, please note that the frequency is 3.568, rather than 3.565.

Last week's net control operator was Chuck, K1CL. Operating from Chelmsford, MA, we had excellent conditions and the following check-ins to the net:

wa1jxr	greg	lancaster, ma	599
k1lgq	dennis	brookline, nh	599
wa8bxn	mike	nr cleveland	589/qsb
k1ypp	dennis	hampsted, nh	599
n1cuu	carl	gettysburg, pa	599
ab1av	bill	hollis, nh	599
w1fmr	jim	saalem, nh	599
ab1cw	ed	tyngsboro, ma	599
k1rc	john	dracut, ma	599
wb1hbe	john	chelmsford, ma	599
n1zsw	ron	worsester, ma	579

Thanks to everyone for QNI'ing. Hope to hear you again Thursday night.

72 DE K1CL,
Chuck

Date: Wed, 09 Apr 2003 19:29:25 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: wa8mcq@comcast.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148821] Re: AT Sprint - was Re: SP posts?
Message-ID: <3E94C8F5.88A373F2@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No problem - just wanted to consider it and the impact on the qrp-l but sounds like the impact would be all good !!!

72 - john - n0hj

Mike Czuhajewski wrote:

> Yes, by all means, keep the discussion on QRP-L. We have far too many
> different QRP lists as it is. Please don't contribute to the further
> splintering of the QRP community by splitting off a technical discussion to
> another venue.
>
> 73 and queue our pea DE WA8MCQ

Date: Wed, 09 Apr 2003 19:37:50 -0600
From: Tim Groat <tcgroat@earthlink.net>

To: qrp-1@lehigh.edu
Subject: [148822] Re: Weather/Band Conditions
Message-ID: <5.1.1.6.2.20030409193527.00a16520@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bad weather is the perfect excuse to put off the spring yard work and play with the radios ;^) Forecast for this weekend: warm and sunny :<(

>Alex <kr1st@amsat.org>:
>
>Whenever I plan to participate in an operating event from home I hope
>for rain because it reduces the powerline noise dramatically.

Date: Wed, 9 Apr 2003 21:10:45 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "M Goins" <mgoins@usa.net>, <qrp-1@Lehigh.EDU>
Subject: [148823] VW solar panel
Message-ID: <00d301c2ff06\$654e4470\$4e100a0a@rohredt2000>

One of the local hams showed us one last night. Note it does not have regulation, hence the rather high voltage rating. However, it like most solar panels should be used floating across a battery. The lead acid type battery will force the voltage down, and some low power rigs could then be run without a net loss of power from the battery, as the solar panel would recharge the battery when the radio is receiving or off. Note the panel comes with four suction cups to mount it to a back window or other window for easy access to the maximum sunlight.

72,

Stuart K5KVH

Date: Wed, 09 Apr 2003 19:21:09 -0700
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [148824] For Sale:
Message-ID: <F60yzYCCybyF9ew0y8D0000d539@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

A&A 20 meter transceiver...built by W6JAZ \$125.00...I will include the original QST article - great description at this link:

www.arrl.org/tis/info/pdf/9606045.pdf

Heathkit HW-8...\$125.00...works great - only modifications are BNC antenna connector - I also mounted a BNC intended to connect to a frequency counter, but never finished it. I will include manual, and "HW-8 Handbook."

MFJ -207 Antenna Analyzer...\$25.00

All prices include shipping. I would consider trade for Index Labs QRP-plus, or something similar.

Del, AD6WE

"Not everything that can be counted counts, and not everything that counts can be counted."

- Albert Einstein (1879-1955)

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Wed, 9 Apr 2003 22:11:56 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148825] April Spartan Sprint Results - Long
Message-ID: <003f01c2ff07\$e4372b70\$85c859cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Results of the April 2003 Spartan Sprint
In April conditions and activity returned to normal after a record-breaking March Sprint. But, April was in no way shabby. We received 68 logs and the

top score was over 100 QSOs.

Special Recognition, Outside Operation -

There were seven outsiders for April.

AA1MY 58 points, all 40 meters

"Bonus for operating outside greatly appreciated! 28 deg. F w/lite snow here in Maine woods. Apologies for lousy fist due to cold, w/gloves. (try paddles & logging w/gloves!) Put up a tuned doublet+feeder @ 55' direct to rig. KD1JV provided a beta version of his new 3-band rig, a la Altoids. Class E final provided ~4W out @ 12vdc. (batt. pk. warm in my pocket) RX is vry quiet, sensitive, selective. 40m seemed good w/low-moderate activity, some QRN. Best DX: CA, WA, AK; lowest pwr: W3DP @500mW from Pa; all w/good sigs. Great to do an SP Sprint afer long lapse. Thanks again, ARS!"

K7TQ 39 points, all 20 meters

"I went into the forest near Moscow, ID for this one. Put up a 20 m dipole 45 feet between two trees and operated the entire time on 20 m. I used a Sierra, small 1.2 Ahr gel cell, G4ZPY paddles, and stereo earbud phones. The real star was the Palm running NK0E's GoLog program. For the Spartan Sprint I used a Palm keyboard rather than the keying interface. Since both use the external connector, you have to choose one or the other. I prefer to use the full size keyboard and send with the paddles. I managed 39 Qs with this set up. Take down in the near-dark was interesting. See you all next month from the outdoors again."

AE6N 35 points, all 20 meters

"We operated portable in a local park. The wind was gusting to over 20 miles per hour which made a lot of noise in my hearing aids. After the sun went down it got cold. Twenty meters appeared to be in good condition and didn't fold until about 10 minutes before quitting time. I used a quarter wave vertical with eight radials. The antenna worked well but it is a little more than what I would want to backpack. 72/73 Jim"

KV6K 35 points on three bands

"Operated outdoors with a Field Day set-up. Had a dipole with 450 ohm ladderline up 50 feet in small Redwood trees. Good thing mosquitoes don't get as large as the trees around here! Appreciated all who came back to me despite my swatting at the mosquitoes while keying! Condx were great coast to coast on 20, but I did not hear any other CA stations. Thanks to KH6B, NK9E and VE6QSL for 2 band contacts."

N4DMI 15 points on two bands

"Operated portable in backyard w/20M Hamstick Dipole mounted on pool skimmer pole at 20 Ft using 2 6V gel cells for power. FL bugs were not too bad tonight. Had hard time loading on 40M with Hamstick. Tnx to following for QSO's: KW4JS; KK5PJ; N7XJ; N4BP; NK0E; K8TQ; KC5NT; K9IIA(?); K3TW; N6LIF; N7LT; W7GA; AE6N; WY1W; and K4BAI. Missed AA1MY at end."

N8WE 8 points, all 20 meters

"Operated sw20 battery powered from patio with antttron ham whip mounted on plastic auto hub cap with 4 radials. Thanks for the fun John!"

AB6UI 6 points, all 40 meters

"This month I braved the low sixty-degree temperatures and, like last month, set up my station outside on a small folding table in the back yard. My station consisted of a Rock-Mite 40 XCVR running about 750mW into an end-fed half wave wire antenna that I strung up, the day before the contest, in the big eucalyptus tree in my front yard. I was using my new NJQRP Rainbow antenna tuner to tune this sloper (with the end up about 35 feet) and it did a fine job. Unfortunately I had to take a half hour dinner break to BBQ and eat some burgers and even when I was operating I had several interruptions from the kids and XYL but I was still able to get six contacts. This station setup is ideal for camping/backpacking and the OVERALL station weight including the Rainbow tuner, the 68 ft. wire antenna & 34 ft. wire counterpoise (including a plastic reel to wind it all up on) weighs in at a mere 18.5 oz.

72 DE AB6UI, Brian"

Congratulations guys and thanks for braving the elements. You put the "adventure" into Adventure Radio.

Special Recognition, Portable Antennas -

Besides those outside operators, KB9LCK, KC5NT, W6ZIP, WA1VGB, and K2EKM also used portable antennas. Designs were verticals, Hamstick dipoles, wire dipoles, and end fed wires.

Skinny Winners -

Greg W7GA won it all with 44 contacts on twenty meters while using a set-up that was just over one pound.

Second Skinny was Bob N4BP who also won the Tubby division. His 103 contacts were at a weight of 2.48 pounds.

Third Skinny was Bob N7XJ with 77 contacts and only two pounds of weight.

Tubby Division Winners -

Bob N4BP was top score in April. Bob managed his 103 contacts with a stock K1. He stuck to 20 and 40 meters.

Second Tubby was Tom K3TW who spread his 87 contacts over four bands.

Third was nailed by Brian K7RE who was a 40 and 20 meter effort for 82 QSOs.

Band by Band -

Things were a little quieter in April and the total QSOs reported was down by almost 1,000!

Here's the breakdown of QSOs by band:

80M - 30 QSOs

40M - 842 QSOs

20M - 843 QSOs

15M - 42 QSOs

10M - 0 QSOs

Total - 1757 QSOs reported!

Other:

Personal best scores were reported by VE3XT and KD3FG.

Each contact received one point. If you didn't tell us the weight of your station, or if your station weighed more than the family after Thanksgiving dinner, we assigned a weight of 30 pounds.

The soapbox is published separately in the April issue of The ARS Sojourner which comes out mid-month. Don't miss it! <http://www.natworld.com/ars>

K4BAI sent this reminder: "Hope everyone will join in the Georgia QSO Party next weekend, April 12 and 13. I will be QRV as K4BAI/M in up to 42 Georgia counties. We have special QRP certificates and plaques. Complete info is available at <http://gqp.contesting.com>."

We hope everyone had a good time. See you in May!

THE SKINNY DIVISION (results sorted in the order of points per pound)

Call Per Pound	80M	40M	20M	15M	10M	Points	Weight	Points
W7GA	0	0	44	0	0	44	1.01	43.56
N4BP	0	43	60	0	0	103	2.48	41.53
N7XJ	0	34	43	0	0	77	2	38.5
K7RE	0	38	44	0	0	82	2.62	31.3
K3ESE	0	27	16	2	0	45	2	22.5
K5JHP	0	17	20	5	0	42	2.25	18.67
AE6N	0	0	35	0	0	35	2	17.5
WY1W	0	25	7	0	0	32	2.5	12.8
K7TQ	0	0	39	0	0	39	3.37	11.57
NK0E	0	24	28	0	0	52	5	10.4
W1ZZL	0	16	5	0	0	21	2.1	10
KI0MZ	0	6	7	7	0	20	2	10
AB6UI	0	6	0	0	0	6	0.61	9.84
KB9LCK	0	9	8	0	0	17	1.8	9.44
WJ9B	2	41	5	0	0	48	6	8
N0TK	0	16	25	3	0	44	6	7.33
N8UW	0	11	6	0	0	17	2.33	7.3
VE3XT	0	14	8	1	0	23	3.3	6.97
K4GT	0	0	13	0	0	13	2.5	5.2
W0UFO	0	20	28	0	0	48	9.5	5.05
N4HAY	0	29	0	0	0	29	6	4.83
KH6B	0	0	9	12	0	21	4.4	4.77
AA1MY	0	58	0	0	0	58	12.75	4.55

AF4PP	0	12	1	0	0	13	3	4.33
W9FNB	0	0	16	0	0	16	4	4
N8WE	0	0	8	0	0	8	2	4
K4TJD	0	7	13	0	0	20	6	3.33
KW4JS	0	5	10	0	0	15	5	3
KG6MGJ	0	5	0	0	0	5	1.7	2.94
K3TW	9	40	36	2	0	87	30	2.9
VE3ELA	1	17	2	0	0	20	7.1	2.82
KG4GVL	0	7	7	0	0	14	5	2.8
KD3FG	0	19	8	0	0	27	10	2.7
NA8M	4	24	7	0	0	35	14	2.5
AD6YU	0	0	2	0	0	2	0.82	2.44
K6PZB	0	2	8	1	0	11	5	2.2
N7LT	0	25	39	0	0	64	30	2.13
KC8WBK	0	4	0	0	0	4	2	2
WB8RTJ	0	31	20	1	0	52	30	1.73
K3NG	1	12	11	0	0	24	15	1.6
KC5NT	0	0	9	0	0	9	6	1.5
WA9TZE	10	20	12	0	0	42	30	1.4
WA8NTA	0	20	18	0	0	38	30	1.27
AA8IV	0	4	2	0	0	6	4.75	1.26
KV6K	0	12	20	3	0	35	30	1.17
N4DMI	0	3	12	0	0	15	13	1.15
NG7Z	0	12	18	1	0	31	30	1.03

KC IOX	0	10	1	0	0	11	11	1
KG4PUG	3	20	6	1	0	30	30	1
K9IUA	0	9	7	0	0	16	20	0.8
K8KFJ	0	13	9	0	0	22	30	0.73
VE6QSL	0	9	12	0	0	21	30	0.7
K4BAI	0	16	4	0	0	20	30	0.67
W9UQB	0	11	7	0	0	18	30	0.6
W6ZIP	0	5	11	0	0	16	30	0.53
N90H	0	7	7	0	0	14	30	0.47
K3AS	0	3	8	0	0	11	30	0.37
WD3P	0	1	10	0	0	11	30	0.37
W0CH	0	1	10	0	0	11	30	0.37
WA1VGB	0	2	0	0	0	2	6	0.33
K1CGZ	0	5	5	0	0	10	30	0.33
N0XAS	0	5	4	0	0	9	30	0.3
N8MHD	0	0	3	0	0	3	10	0.3
W1RWB	0	5	4	0	0	9	30	0.3
N1WST	0	0	5	3	0	8	30	0.27
N8HSP	0	4	0	0	0	4	30	0.13
KG4FSN	0	0	1	0	0	1	14	0.07
K2EKM	0	1	0	0	0	1	30	0.03

THE TUBBY DIVISION (results sorted in the order of points)

Call	80M	40M	20M	15M	10M	Points
N4BP	0	43	60	0	0	103
K3TW	9	40	36	2	0	87
K7RE	0	38	44	0	0	82
N7XJ	0	34	43	0	0	77
N7LT	0	25	39	0	0	64
AA1MY	0	58	0	0	0	58
WB8RTJ	0	31	20	1	0	52
NK0E	0	24	28	0	0	52
W0UFO	0	20	28	0	0	48
WJ9B	2	41	5	0	0	48
K3ESE	0	27	16	2	0	45
N0TK	0	16	25	3	0	44
W7GA	0	0	44	0	0	44
K5JHP	0	17	20	5	0	42
WA9TZE	10	20	12	0	0	42
K7TQ	0	0	39	0	0	39
WA8NTA	0	20	18	0	0	38
NA8M	4	24	7	0	0	35
AE6N	0	0	35	0	0	35
KV6K	0	12	20	3	0	35
WY1W	0	25	7	0	0	32
NG7Z	0	12	18	1	0	31
KG4PUG	3	20	6	1	0	30
N4HAY	0	29	0	0	0	29
KD3FG	0	19	8	0	0	27
K3NG	1	12	11	0	0	24
VE3XT	0	14	8	1	0	23
K8KFJ	0	13	9	0	0	22
W1ZZL	0	16	5	0	0	21
KH6B	0	0	9	12	0	21
VE6QSL	0	9	12	0	0	21
K4TJD	0	7	13	0	0	20
VE3ELA	1	17	2	0	0	20
K4BAI	0	16	4	0	0	20
KI0MZ	0	6	7	7	0	20
W9UQB	0	11	7	0	0	18
KB9LCK	0	9	8	0	0	17
N8UW	0	11	6	0	0	17
W9FNB	0	0	16	0	0	16
K9IUA	0	9	7	0	0	16
W6ZIP	0	5	11	0	0	16
KW4JS	0	5	10	0	0	15
N4DMI	0	3	12	0	0	15
KG4GVL	0	7	7	0	0	14
N90H	0	7	7	0	0	14
AF4PP	0	12	1	0	0	13
K4GT	0	0	13	0	0	13

K6PZB	0	2	8	1	0	11
KC IOX	0	10	1	0	0	11
K3AS	0	3	8	0	0	11
WD3P	0	1	10	0	0	11
W0CH	0	1	10	0	0	11
K1CGZ	0	5	5	0	0	10
KC5NT	0	0	9	0	0	9
N0XAS	0	5	4	0	0	9
W1RWB	0	5	4	0	0	9
N1WST	0	0	5	3	0	8
N8WE	0	0	8	0	0	8
AB6UI	0	6	0	0	0	6
AA8IV	0	4	2	0	0	6
KG6MGJ	0	5	0	0	0	5
KC8WBK	0	4	0	0	0	4
N8HSP	0	4	0	0	0	4
N8MHD	0	0	3	0	0	3
WA1VGB	0	2	0	0	0	2
AD6YU	0	0	2	0	0	2
K2EKM	0	1	0	0	0	1
KG4FSN	0	0	1	0	0	1

Date: Wed, 9 Apr 2003 20:28:03 -0600 (MDT)
 From: "Karl F. Larsen" <k5di@zianet.com>
 To: qrp-l@lehigh.edu
 Subject: [148826] Satellite equipment
 Message-ID: <Pine.LNX.4.44.0304092016270.2266-100000@bucket.dog>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

It seems that many here on this list have the wrong idea about what must be true about equipment in space. The Diamond Sytems computer with several free software packages is already type excepted by the Air Force. There are several of them in flight right now.

The Kenwood HT is taken out of it's case because the case might break and go flying around in the cargo bay of the space missile. And it will stay cooler. The Kantronics TNC will have it's top and bottom removed and it will be suspended by 4 corners. The 12 VDC wiring will use heavier wire than you use on earth. The ME department has 3 Grad students working on packaging.

This space package should live for many years, until space dust

drops the charge rate too low. We will know how well the APRS network works after these years.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Wed, 9 Apr 2003 21:40:24 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <n2cqr@clix.pt>
Cc: <qrp-1@Lehigh.EDU>
Subject: [148827] VW Solar panel voltage variation
Message-ID: <00e301c2ff0a\$89dccce0\$4e100a0a@rohredt2000>

Bill,
The variation is probably normal. The panel my friend has here when held sideways to light shows random crystal patterns in the cells. I think this is an example of amorphous semiconductor solar cell material, and its efficiency can vary from cell to cell and array to array. Also, it probably has issues of what angle the photons come in to it. If you could find a larger flood light with diffuser lens such that the light source was more planar, you might get a better idea of what is going on. The light frequency content of the sun is probably a lot more diverse than that of a typical tungsten bulb, and so testing it in sunlight is probably the better test.

GL,
Stuart K5KVH

Date: Wed, 9 Apr 2003 22:38:25 -0400
From: Brian Short <bshort4@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148828] N1MM Logger is FREE was Re: Free contest software
Message-ID: <8101E522-6AFD-11D7-B8AD-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

My experiences have been:

CT was the first contest program which I used. When I started participating in CW contests, I tried TRLog and subsequently stayed with that.

IMHO, TRLog is the better program for CW contests of the two. It is just easier for me to use. Personal preference :)

Along the way, I downloaded WriteLog way back when it was free and thought the trend would be toward Windows type programs for contests like everything else.

I started participating in contests out in the desert using older laptop computers which do not run Windows very well, so I stuck with using TRLog in DOS to this day.

I think CT becoming free is in some way related to the general trend toward using Windows programs. Recently, I have started playing with a current release of WriteLog, but it does have a licensing fee.

I came across N1MM Logger which is a freeware contest program for Windows and was impressed with what I read, but have not played with it. <http://pages.cthome.net/n1mm/>

Unfortunately, it is looking like eventually I will have to get a more modern laptop for desert contesting. The good news is that until I do the cost of software for the old DOS machines is getting VERY affordable.

I have a feeling the DOS programs will have no support or updates some day...

I'd be interested in hearing about experiences with N1MM Logger:
<http://pages.cthome.net/n1mm/>

Brian

On Wednesday, April 9, 2003, at 11:45 AM, Walter Amos wrote:

> CT is now Freeware

>

> <http://www.k1ea.com/ctvault/>

>

> help is at

>

> ct-user@contesting.com

>

> Walt K8CV Royal Oak, MI.

--

See my web page: <http://www.k7on.com>

Date: Wed, 9 Apr 2003 22:44:07 -0500
From: Edgar R Guillot <n5ed@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [148829] Re: Alternative Energy
Message-ID: <20030409.224409.828.2.N5ED@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How about running a QRPP rig on the movement of the paddle, or for SSB using the motion of the jaw. In the SSB case some hams could go QRO. .
Ed

N5Ed Guillot
Cajun Country
near New Orleans
SOC #535, QRP-L #1951
ARRL Life Mem.

Sign Up for Juno Platinum Internet Access Today
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Date: Thu, 10 Apr 2003 01:10:01 -0400
From: Pete Burbank <plburbank@Earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148830] Re: Schematic Notation Question
Message-ID: <5.2.0.9.0.20030410005505.00a489d0@Earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Tnx Diz
Now it makes sense to me that sometimes the dot gets lost. Thus the European system.
I have been looking around on the web for a list of these cross #s but not much luck so far.
I guess that XM0 means x amount of megohms.

R means a single value and K means times 1000. Can someone point to a complete list?
IMHO these labeling people have a ways to go to catch up with the capacitor folks.:-)
73
Pete NV4V

At 08:42 PM 4/9/2003, w8diz wrote:

>Hi Doug,
>
>You are correct but...
>it takes less to designate the component as 6k8.
>It comes from the old days of Blue Prints that were notorious
>for having faded areas and sometimes you would not be able to
>see the dot. There is a big difference between 68k and 6k8.
>Can you imagine a production shop manufacturing electronic
>equipment with the wrong values :)
>
>72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
>Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
>RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Thu, 10 Apr 2003 07:15:52 -0100
From: Bill Meara <n2cqr@clix.pt>
To: rohre@arlut.utexas.edu
Cc: qrp-l@Lehigh.EDU
Subject: [148831] Re: VW Solar panel voltage variation
Message-ID: <1.5.4.32.20030410081552.0118b27c@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:40 PM 4/9/03 -0500, you wrote:

>Bill,
>The variation is probably normal.
>GL,
>Stuart K5KVH

Stuart: Yes, I think you are right. I put it out in sunlight (through fairly thick clouds) and got about 21 volts (open circuit) from one and 20 from the other.

One interesting difference between the two: When I look at the individual cells on one panel there 5 leads going through each, on the other cell there are 4, with a very different configuration of the leads. Yet both panels have the same part #.

The suction cups are fine, but how would you suggest we prepare these panels for placement out in the weather? Are they ready to go as is, or should we seal them up or put them under glass?

Thanks, Bill
73 de Bill CU2JL N2CQR
Sao Miguel Island, Azores, Portugal
900 miles West of Lisbon 37.7N 25.67W
<http://planeta.clix.pt/n2cqr>

Date: Thu, 10 Apr 2003 07:51:49 -0400
From: Bob Patten <n4bp@bellsouth.net>
To: bshort4@cox.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
Grant Mitchell <n4gm@arrl.net>, Kevin Bunin <k4pg@arrl.net>
Subject: [148832] Re: N1MM Logger is FREE was Re: Free contest
software
Message-ID: <3E955AD5.7030903@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Brian Short wrote:

>
> I'd be interested in hearing about experiences with N1MM Logger:
> <http://pages.cthome.net/n1mm/>
>

Like Brian, I started with CT (not counting a Very crude dupe checker I wrote in BASIC and used for a year or two). When NA came on the market to support the domestic contests that CT did not, I migrated to it. Both CT and NA developed to include both domestic and DX contests. I found NA much more "user friendly" so stuck with it for all contesting - except the WAE (CT supports sending of QTC's while NA still does not). NA has also gotten more author support than CT (my personal observation). I've had very brief experience with TR and found it difficult to learn and set up.

Then I tried N1MM. I began using it for any SSB contest efforts because of its really slick DVK. I use Cool Edit to create Windows .WAV files

of my contest exchanges, and created individual .WAV's for each alpha-numeric. Now, with a push of a function key, I can send all of the exchanges - and even the call that I type in the call field! More recently, I tried N1MM for CW contesting and also liked it. It has a really smart "ESM (Enter Sends Message)" mode, enabling you to use just the Enter key to send the exchanges. What it sends depends on whether you are running or S&P. I think TR has a similar feature, but N1MM also highlights the function keys in blue before you push the enter key to send them - hard to make a mistake.

Although there are updates to N1MM almost every week (great author support!), there are still some contests that are not supported. I recently contacted the author about adding the QRP ARCI Parties, but he declined since it was too close to the deadline. Hopefully it will be there for the Fall Party. For that reason alone, I will use good old standby NA this weekend...

--

73, Bob Patten, N4BP

Plantation, FL

E-Mail: n4bp@arrl.net

Website: <http://www.qsl.net/n4bp>

QRP ARCI #3412

SOC #1

ARS #799

Whiners #6 FISTS #7871

Date: Thu, 10 Apr 2003 08:27:29 -0500

From: "Brockwell, Stephen E. CECOM SEC FSSE GPI"

<steve.brockwell@us.army.mil>

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [148833] Thanks for info on Antenna reel in Altoids.

Message-ID: <D9781901107D6A4AB59B567ED74090B454DE70@pandora.fssec.army.mil>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Thanks to all for the info on the antenna reel in the altoids tin. Its known as a 'Gummer Winder' by Tony Colaguori, W2GUM and was published in the QRP Homebrewer periodical out of the NJQRP club. One ham has a copy of the article in the mail to me and I've got a check for a subscription to the QRP Homebrewer on the way to the NJQRP club. Reckon I'll order the back issues too. Handy things to have.

Thanks again,

Steve KC5TTY

Elgin, somewhere in southwest Oklahoma

Date: Thu, 10 Apr 2003 09:35:21 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148834] Re: N1MM Logger is FREE was Re: Free contest software
Message-ID: <3E957319.DA4E535A@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bob Patten wrote:

> and even the call that I type in the call field!

I've heard that once in a contest. At first I though the person on the other end couldn't talk so I thought it was a pretty nifty idea. Then I find out that the guy could talk but was trying to "save his voice". Not so cool in my opinion.

Heck, why not add some voice recognition software. Turn the rig on on Friday night, start running a frequency, leave for the weekend, and see Sunday night how well your setup did in the contest.

I witnessed something similar at field day where the guy was just punching keys on a keyboard to generate CW. I don't know if most folks in CW contest do this, but if so, then I'll probably stay away from CW contests once I get my speed up. Perhaps they need to add some classes to contest rules, like manual or automated....or expand "assisted".

Ever since that time I avoid anyone who doesn't allow me the courtesy to hear at least my callsign through their vocal cords in real time. It's like talking to a machine.

73,
--Alex KR1ST

Date: Thu, 10 Apr 2003 09:38:32 -0400
From: Steve.Lawrence@ITWFEG.COM
To: ke4itn@corrcomm.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148835] Re: Wind up generator/ battery charger?
Message-ID: <0FF14FB850.CF530908-0N85256D04.004A4724-85256D04.004AF022@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Freeplay has commercialized this into a product "Freecharge", ostensibly designed to power a cell phone:

<http://www.freeplay.net/website/product/freecharge.php>

[http://commerce.motorola.com/cgi-bin/ncommerce3/ProductDisplay?
prrfnbr=235232&prmenbr=126&accessories_cgrfnbr=22&zipcode=&phoneID=&search_string=
26&type=217953&cmid=MERCHCATPG](http://commerce.motorola.com/cgi-bin/ncommerce3/ProductDisplay?prrfnbr=235232&prmenbr=126&accessories_cgrfnbr=22&zipcode=&phoneID=&search_string=26&type=217953&cmid=MERCHCATPG)

The device consists of a spring wound, hand cranked generator and some internal (nicad?) cells. I've looked before for the specs, but without luck. Could this device be used to create a "hand cranked Rockmite"? Maybe...!

73,
Steve
aa8af

"Larry Sorrow" <ke4itn@corrcomm.net>
Sent by: owner-qrp-1@Lehigh.EDU
04/09/2003 08:24 PM
Please respond to ke4itn

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Wind up generator/ battery charger?

Maybe I am way out there in left field (I usually am).
Has any one ever given any thought of a spring driven wind up battery charger, to charge say a small gel cell battery in the field? The thought would be to charge one battery while opearting from the other. I am far from
a mechanical engineer but is it possible?

Date: Thu, 10 Apr 2003 08:43:23 -0500
From: KD5NWA <KD5NWA@cbayona.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [148836] Re: Schematic Notation Question
Message-ID: <5.2.0.9.0.20030410084312.00a91110@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Their notation I think is better, but the symbols they use for the components stink, it is not too quickly apparent what a component is because too many symbols are almost the same, a rectangular box, you need to read the value to see what it is.

At 12:10 AM 4/10/2003, Pete Burbank wrote:

>Tnx Diz
>Now it makes sense to me that sometimes the dot gets lost. Thus the
>European system.
>I have been looking around on the web for a list of these cross #s but not
>much luck so far.
>I guess that XM0 means x amount of megohms.
>R means a single value and K means times 1000. Can someone point to a
>complete list?
>IMHO these labeling people have a ways to go to catch up with the
>capacitor folks.:-)
>73
>Pete NV4V
>
>
>
>

>At 08:42 PM 4/9/2003, w8diz wrote:

>>Hi Doug,
>>
>>You are correct but...
>>it takes less to designate the component as 6k8.
>>It comes from the old days of Blue Prints that were notorious
>>for having faded areas and sometimes you would not be able to
>>see the dot. There is a big difference between 68k and 6k8.
>>Can you imagine a production shop manufacturing electronic
>>equipment with the wrong values :)
>>
>>72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
>>Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
>>RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>
>

Date: Thu, 10 Apr 2003 10:09:57 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148837] Re: Wind up generator/ battery charger?
Message-ID: <004301c2ff6a\$e34102a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Freeplay has commercialized this into a product "Freecharge", ostensibly
> designed to power a cell phone:
>
> <http://www.freeplay.net/website/product/freecharge.php>
>
> internal (nicad?) cells. I've looked before for the specs, but without
> luck. Could this device be used to create a "hand cranked Rockmite"?
> Maybe...!
>
> Steve

Neat device. Would make the hackers think twice about tearing
apart their 'FreePlay' radios just to get the generator...

But first off, it's about \$60. Kind of pricey. And while Motorola
seems to be still current with it. A quick browse on the net (I hit two
stores just to get prices) one said it was discontinued... (But that
may have been just them carrying the unit, not as a generic product.)

Mike

Date: Thu, 10 Apr 2003 10:35:06 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@Lehigh.edu
Subject: [148838] TV antenna for ham(vhf) use..I have a RS log periodic..matching?
Message-ID: <200304101433.h3AEXPoZ000339@barclay.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I have a TV antenna id like to try on 6 and 2. It is a radio shack
log periodic..fairly compact..about 6 ft boom. I would like to feed
with coax and a 4 to 1 balun..but...how would I make one to cover a
very wide bandwidth (6 and 2 mtrs). I have alot of ferrite cores and

binocular baluns of the 43 material. I thought I could "copy" a TV receiver balun..only make it with larger wire..so it would be good on transmit. Even the better quality TV baluns would probably not work well on transmit. I have also thought..maybe a 4 to 1 coax balun..might work on 6 mtrs and 2 mtrs because they are close enough in a harmonic relationship.
Any ideas? Earl VE3AB

Date: Thu, 10 Apr 2003 10:45:04 -0400
From: Bob Patten <n4bp@bellsouth.net>
To: kr1st@amsat.org, QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [148839] Re: N1MM Logger is FREE was Re: Free contest software
Message-ID: <3E958370.9010407@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Alex wrote:

>
> Heck, why not add some voice recognition software. Turn the rig on on
> Friday night, start running a frequency, leave for the weekend, and see
> Sunday night how well your setup did in the contest.
Even if this was technically possible, the FCC still requires a control operator. But most who enter contests, do it for the enjoyment. That also requires the participation of the operator.
>
> I witnessed something similar at field day where the guy was just
> punching keys on a keyboard to generate CW. I don't know if most folks
> in CW contest do this, but if so, then I'll probably stay away from CW
> contests once I get my speed up. Perhaps they need to add some classes
> to contest rules, like manual or automated....or expand "assisted".
I would venture to say that the majority who participate in contests do log with computer. It still requires effort on the operator's part though. There have been unending discussions about adding classes. Bottom line is, there could be so many classes created that everybody could win a category. Most do not favor that idea.
>
> Ever since that time I avoid anyone who doesn't allow me the courtesy to
> hear at least my callsign through their vocal cords in real time. It's
To each his own.

--

73, Bob Patten, N4BP

Plantation, FL

E-Mail: n4bp@arrl.net

Website: <http://www.qsl.net/n4bp>

QRP ARCI #3412 SOC #1 ARS #799 Whiners #6 FISTS #7871

Date: Thu, 10 Apr 2003 11:10:00 -0400
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148840] Re: N1MM Logger is FREE was Re: Free contest
software
Message-ID: <3E958948.6FACB1A@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bob Patten wrote:

> I would venture to say that the majority who participate in contests do
> log with computer. It still requires effort on the operator's part though.
> There have been unending discussions about adding classes. Bottom line
> is, there could be so many classes created that everybody could win a
> category. Most do not favor that idea.

It's not about winning a category or about the administrative task of
logging of course. It's just about the art of making a contact. I'd
prefer it to be from human to human and not human to machine.

> To each his own.

You're absolutely right about that.

73,
--Alex KR1ST

Date: Thu, 10 Apr 2003 10:19:25 -0400
From: Brian Short <bshort4@cox.net>
To: Low Discussion <qrp-1@Lehigh.EDU>
Subject: [148841] Re: N1MM Logger is FREE was Re: Free contest
software
Message-ID: <6E7D7621-6B5F-11D7-B8AD-00306543B616@cox.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

On Thursday, April 10, 2003, at 10:45 AM, Bob Patten wrote:
>> Ever since that time I avoid anyone who doesn't allow me the courtesy

>> to
>> hear at least my callsign through their vocal cords in real time. It's
> To each his own.

My experience has been:

1. I really only "do" CW contests, other than the occasional VHF contest.
2. So called voice keyers are (most) "useful" for calling CQ over and over.

I once owned the CT DVP board and configured it to send exchanges.
It was not that great at it, IMHO. More trouble than it was worth.

I once built a "voice keyer" to send CQs. I used it on 6m to call CQ
(not
on the calling freq) over and over. As the band would open, I would
make
the Es QSOs. If it was no longer open, I'd use the voice keyer to call
CQ
in anticipation. I managed to place in the Top Ten in the US with a
very
modest station one year (ARRL VHF QSO Party 6m).

One local 6m guru always took exception to the automated CQ.

YMMV

--

See my web page: <http://www.k7on.com>

Date: Thu, 10 Apr 2003 11:09:55 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [148842] KITS: DSW-II - preliminary info
Message-ID: <001301c2ff8c\$64dfffb60\$8be2d73f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

I've gotten quite a few questions about the return of the popular DSW
series. With the recent release of a few 'beta' units over the past several
weeks, the number of inquiries has risen considerably.

I've put preliminary information up on my website at
http://smallwonderlabs.com/swl_dsw.htm

Thanks for the commercial bandwidth. 73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
<http://smallwonderlabs.com>
Phone/fax 860-537-8031

Date: Thu, 10 Apr 2003 08:31:59 -0700
From: Casey Ray <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148843] Re: Nor'Easter For Sale
Message-ID: <3E958E6F.82A463DE@usc.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

The unit is spoken for. Thanks for all inquiries.

73 de Casey
AD6DI

Casey Ray wrote:

> I have an unbuilt NorCal Nor'Easter short wave AM receiver for sale. I
> have had the receiver's cpu reprogrammed by Steve Weber. Asking what I
> paid, \$50.
>
> 73 de Casey
> AD6DI

Date: Thu, 10 Apr 2003 11:32:08 -0400
From: Bob Patten <n4bp@bellsouth.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [148844] [Fwd: Re: N1MM Logger is FREE was Re: Free contest
software]
Message-ID: <3E958E78.8080609@bellsouth.net>

+---+---+---+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----Original Message-----

From: nn1g@earthlink.net
Date: Thursday, April 10, 2003 11:40:42 AM
To: Low Power Amateur Radio Discussion
Subject: KITS: DSW-II - preliminary info

gang-

I've gotten quite a few questions about the return of the popular DSW series. With the recent release of a few 'beta' units over the past several weeks, the number of inquiries has risen considerably.

Date: Thu, 10 Apr 2003 12:32:12 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148846] Corrections-April Spartan Sprint Results
Message-ID: <00a801c2ff7f\$97f80ae0\$8b9159cf@jhuffman1t>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

All -

The Spartan Sprint results are the quickest in radio. However, that doesn't mean the most accurate :-(

I should have re-checked the autolog submissions for weight. Some entries were entered on ounces and some in text rather than numbers. Thus the automatic log compiler (you didn't think quick results were due to hard work, did you?) made some odd assignments when it encountered non-numeric input.

The revised scores are at the end of this message.

The biggest goof on this end was to miss the winning score in the Skinny Division. Seab, AA1MY easily walked off with the prize with his ultra light set-up. Seab used a KD1JV A-T Sprint transceiver/keyer (2.7 oz.), 9 x AA

batteries (8.0 oz.), AA1MY "SPADDLE" key (1.1 oz.), and Sony ear buds (.5 oz.) for a total of 12.3 oz. or .769 lb.

The same glitch also hit WA9TZE who moved up in the standings and AF4PP who moved down.

My apologies to those three and to W7GA, N4BP, and N7XJ who's top place finishes where incorrectly recorded.

If I missed anyone else, Please let me know.

In another, unrelated, goof I missed listing the late logs from March. Dan N0TK/KH6 managed one QSO with his 4 pound rig in March. But then, he was on the beach in Maui. Willie WJ9B had an excellent March score with his 6 pound rig. He had 53 contacts on two bands.

73 de NA8M
John

Revised Skinny Division results

Call	80M	40M	20M	15M	10M	Points	Weight	Points
Per Pound								
AA1MY	0	58	0	0	0	58	0.8	72.5
W7GA	0	0	44	0	0	44	1.01	43.56
N4BP	0	43	60	0	0	103	2.48	41.53
N7XJ	0	34	43	0	0	77	2	38.5
K7RE	0	38	44	0	0	82	2.625	31.3
K3ESE	0	27	16	2	0	45	2	22.5
K5JHP	0	17	20	5	0	42	2.25	18.67
AE6N	0	0	35	0	0	35	2	17.5
WY1W	0	25	7	0	0	32	2.5	12.8
K7TQ	0	0	39	0	0	39	3.37	11.57
NK0E	0	24	28	0	0	52	5	10.4
W1ZZL	0	16	5	0	0	21	2.1	10
KI0MZ	0	6	7	7	0	20	2	10
AB6UI	0	6	0	0	0	6	0.61	9.84
KB9LCK	0	9	8	0	0	17	1.8	9.44
WJ9B	2	41	5	0	0	48	6	8
N0TK	0	16	25	3	0	44	6	7.33
N8UW	0	11	6	0	0	17	2.33	7.3
WA9TZE	10	20	12	0	0	42	5.9	7.12
VE3XT	0	14	8	1	0	23	3.3	6.97
K4GT	0	0	13	0	0	13	2.5	5.2
W0UFO	0	20	28	0	0	48	9.5	5.05
N4HAY	0	29	0	0	0	29	6	4.83
KH6B	0	0	9	12	0	21	4.4	4.77
W9FNB	0	0	16	0	0	16	4	4
N8WE	0	0	8	0	0	8	2	4

AF4PP	0	12	1	0	0	13	3.5	3.71
K4TJD	0	7	13	0	0	20	6	3.33
KW4JS	0	5	10	0	0	15	5	3
KG6MGJ	0	5	0	0	0	5	1.7	2.94
K3TW	9	40	36	2	0	87	30	2.9
VE3ELA	1	17	2	0	0	20	7.1	2.82
KG4GVL	0	7	7	0	0	14	5	2.8
KD3FG	0	19	8	0	0	27	10	2.7
NA8M	4	24	7	0	0	35	14	2.5
AD6YU	0	0	2	0	0	2	0.82	2.44
K6PZB	0	2	8	1	0	11	5	2.2
N7LT	0	25	39	0	0	64	30	2.13
KC8WBK	0	4	0	0	0	4	2	2
WB8RTJ	0	31	20	1	0	52	30	1.73
K3NG	1	12	11	0	0	24	15	1.6
KC5NT	0	0	9	0	0	9	6	1.5
WA8NTA	0	20	18	0	0	38	30	1.27
AA8IV	0	4	2	0	0	6	4.75	1.26
KV6K	0	12	20	3	0	35	30	1.17
N4DMI	0	3	12	0	0	15	13	1.15
NG7Z	0	12	18	1	0	31	30	1.03
KC IOX	0	10	1	0	0	11	11	1
KG4PUG	3	20	6	1	0	30	30	1
K9IUA	0	9	7	0	0	16	20	0.8
K8KFJ	0	13	9	0	0	22	30	0.73
VE6QSL	0	9	12	0	0	21	30	0.7
K4BAI	0	16	4	0	0	20	30	0.67
W9UQB	0	11	7	0	0	18	30	0.6
W6ZIP	0	5	11	0	0	16	30	0.53
N9OH	0	7	7	0	0	14	30	0.47
K3AS	0	3	8	0	0	11	30	0.37
WD3P	0	1	10	0	0	11	30	0.37
W0CH	0	1	10	0	0	11	30	0.37
WA1VGB	0	2	0	0	0	2	6	0.33
K1CGZ	0	5	5	0	0	10	30	0.33
N0XAS	0	5	4	0	0	9	30	0.3
N8MHD	0	0	3	0	0	3	10	0.3
W1RWB	0	5	4	0	0	9	30	0.3
N1WST	0	0	5	3	0	8	30	0.27
N8HSP	0	4	0	0	0	4	30	0.13
KG4FSN	0	0	1	0	0	1	14	0.07
K2EKM	0	1	0	0	0	1	30	0.03

Date: Thu, 10 Apr 2003 11:48:21 -0500
From: "Joe Martin" <km5cw@arrl.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [148847] Re: KITS: DSW-II - preliminary info
Message-ID: <013b01c2ff80\$ff975600\$3e4bbbd0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After looking at the info on the pdf Dave prepared for us, it will be like waiting for Christmas all over. Thanks Dave you sure know how to keep the dream alive!

73 de KM5CW Joe
FISTS #4217 QRPARCI #11368 NETXQRP#42
GRID-EM13kf - DFW-TX
(<http://web.wt.net/~km5cw>)

- _.- _.-.. ..-

----- Original Message -----

From: "W2AGN" <w2agn@w2agn.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, April 10, 2003 10:57 AM
Subject: Re: KITS: DSW-II - preliminary info

> As the proud owner of Beta#4, let me just say that it is worth waiting for!

> SUPER little rig.

>

>

>

>

> +---+---+---+ John L. Sielke

> |W||2||A||G||N| <http://www.w2agn.net> [UPDATED]

> +---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

>

> -----Original Message-----

>

> From: nn1g@earthlink.net

> Date: Thursday, April 10, 2003 11:40:42 AM

> To: Low Power Amateur Radio Discussion

> Subject: KITS: DSW-II - preliminary info

>

> gang-

>

> I've gotten quite a few questions about the return of the popular DSW

> series. With the recent release of a few 'beta' units over the past
several
> weeks, the number of inquiries has risen considerably.

Date: Thu, 10 Apr 2003 12:50:50 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: KD5NWA@cbayona.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148848] WAS: Schematic Notation Question-now: EURO symbols
Message-ID: <5.2.0.9.2.20030410124936.03cb7158@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The ONE place where I disagree is their zener symbol. It is a capital "Z";
with the cathode represented by the top 'bar' of the Z; and a line drawn
from the right end of the lower 'bar' to the center, then filled in.
Unmistakably a Zener!!!

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Thu, 10 Apr 2003 09:55:00 -0700
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [148849] Group Thank-you
Message-ID: <08D18BEFE0F59E4EB2BB78107B5A5271017376C7@blaze.bccsc.gov.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Thanks to all who responded to my question regarding the schematic notation for the resistors. I also ran into the 6R8 one and was going to ask but a few replies cleared that one up as well. Great group. Thanks again.

Doug VA7DD

Date: Thu, 10 Apr 2003 13:09:23 -0400
From: "KB9BVN" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [148850] Rig for sale
Message-ID: <000701c2ff83\$f030e4d0\$4505020a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Spring Clean

Heathkit HW-9 with WARC bands. Covers 80, 40, 30, 20, 17, 15, 12, 10 bands.

Works great, looks great. No mods that I know of. I have had it a little over a year and I have made lots of contacts with it and my attic dipole.

\$225.00 shipped anywhere in the US from Indy.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W

INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57

=====

Date: Thu, 10 Apr 2003 12:50:59 -0500
From: "George, W5YR" <w5yr@att.net>
To: <kr1st@amsat.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148851] Re: N1MM Logger is FREE was Re: Free contest
software
Message-ID: <006e01c2ff89\$bfa32de0\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alex, is not your entire radio a machine? Especially if it contains one or more microprocessors, which probably includes 95% of all current rigs?

Nit-picking, of course, but with all respect I believe that you are, as well. <:}

So far, as I understand and practice it, every contact is initiated and confirmed by a human. The manner in which this is done has changed over the years, but nonetheless there is still a human hand and decision involved in each contact.

When I started I pounded brass with a hand key. And I had a huge WW2 surplus knife switch which changed the antenna from transmitter to receiver, etc. Finally, I had to throw two toggle switches: one to mute the receiver and the other to turn on the transmitter power. Sure got lots of exercise in those days running that station, but at age 16 you can do anything, ya'know! <:}

Now, I use a memory keyer for contests and a paddle and keyer for CW DX and ragchew contacts. But, it is still "me" that is running things - and always will be.

Shortly after WW2, QST ran a futuristic article about a completely automatic ham station. IF you can find that article you will find your worst fears described. But, even though we now have the technology to do that, it is seldom if ever practiced except mostly amongst our Pactor friends.

73/72, George

Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----

From: "Alex" <kr1st@amsat.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, April 10, 2003 10:10 AM
Subject: Re: N1MM Logger is FREE was Re: Free contest software
.....

> Bob Patten wrote:

>

> > I would venture to say that the majority who participate in contests do
> > log with computer. It still requires effort on the operator's part
though.

> > There have been unending discussions about adding classes. Bottom line
> > is, there could be so many classes created that everybody could win a
> > category. Most do not favor that idea.

>

> It's not about winning a category or about the administrative task of
> logging of course. It's just about the art of making a contact. I'd
> prefer it to be from human to human and not human to machine.

>

> > To each his own.

>

> You're absolutely right about that.

>

> 73,

> --Alex KR1ST

Date: Thu, 10 Apr 2003 14:38:12 -0400
From: palmer_t <ThomasPalmer@colliergov.net>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [148852] /QRP v. /Q
Message-ID: <F833DC5C03BCB34EBE579DC8DC130447816162@CWW1.bcc.colliergov.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

I never send "N1TP/QRP" except after the other station has just indicated that he/she is requesting calls from QRP stations (in non-QRP events). However, I've frequently heard DX ask "QRP?" when it seemed that the DX just heard only "/QRP" at the end of someone's call sign or heard (for example) "TB/QRP?" when the DX operator heard only the suffix (or part of the suffix) of the call sign of the calling station.

I believe the following is NOT true: "It NEVER helps to send your call sign with "/QRP" added at the end thereof."

I'm convinced that the DX operators who are "QRP friendly" DO listen to hear "/QRP" tacked on the end of a call sign, but I also believe that very few, if any, DX operators reply to callers who send only "QRP" that is not attached to the end of a complete call sign.

Tom, N1TP
Naples, Florida

Date: Thu, 10 Apr 2003 14:45:47 -0400
From: "Hartwell, Martin E, ALABS" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [148853] Other power appliances
Message-ID: <6579C6377F475547985F0B3E426E16260204E273@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

Hi all

>From: Steve.Lawrence@ITWFEG.COM
>Subject: [148696] Re: Wish I'd listened (long)

>For a fascinating catalog of non-powered appliances, including gas=20
>refrigerators, composting toilets, kerosene lamps, wood-burning cook=20
>stoves, and more, check out:

<http://www.lehmans.com>

>No interest..... just a satisfied customer.

I love the Amish country of Ohio. I spent several hours in the main

store one day. Many items for use with other than electric power. The=20 clothes washer with a cushman motor on was facinating. Many heaters to that use wood for heat. If anyone wants to spend a very enjoyable=20 weekend it is nice place to go. In summer you can even get a tour of an Amish home to see how they live, not open in the winter though.=20 Lemans also has a second store, much smaller in Mt. Hope Ohio too.

Marty Hartwell

AT&T Columbus Ohio
Phone: (614) 501-2503
Pager: (888) 858-7243
PIN: 144747
mehartwell@att.com
Room 2B07
8372 E Broad St.
Reynoldsburg, OH 43068

Date: Thu, 10 Apr 2003 14:52:39 -0400
From: David Hochfelder <hochfeld@rci.rutgers.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148854] Stupid Antenna Questions
Message-ID: <5.2.0.9.0.20030410144231.03d6f800@email.rci.rutgers.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I've been a lurker on the list for awhile now, but I'm starting to get a little more active. I'm in the process of putting together a compact QRP station for travel, hiking, Field Day, and so on, and these questions have come up recently. Thanks in advance for your answers and assistance.

(1) Does current drawn from the power supply decrease with decreasing SWR? In other words, does lower current drawn by the rig indicate that the antenna is more efficient? Or is it the other way around, that higher current from the power supply means that the antenna is radiating more power?

(2) I have in mind using the NJ QRP Balanced Line Tuner and a Radio Shack SWR meter I picked up for \$7 on sale along with a dipole fed by twin-lead. Does it matter in which order the tuner and SWR meter are placed? Should the tuner go on the antenna side or rig side relative to the SWR meter?

(3) What's the insertion loss for a typical SWR meter? For QRP purposes, should I focus on getting the antenna perfect, or is it OK to use a reasonably decent antenna with a tuner and meter?

Thanks!

72/73,

Dave
N2HA

Date: Thu, 10 Apr 2003 14:58:57 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: ThomasPalmer@colliergov.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148855] Re: /QRP v. /Q
Message-ID: <3E95BEF1.2030904@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

palmer_t wrote:

> I also believe that very few,
> if any, DX operators reply to callers who send only "QRP" that is not
> attached to the end of a complete call sign.

>
>
>

Nor should they, right. It would be responding to an invalid ID. On
SSB some DX'ers are quite adamant about not responding to those who give
only the suffix part of call and pointly comment that since the person
calling say "PID" is not giving a valid callsign, they cannot recognize
them. Which of course is a real stab since they copied the incomplete
call perfectly and are communicating with the station by saying so.

Ed Lawson
K1VP

Date: Thu, 10 Apr 2003 13:56:25 -0500
From: Randy Moore <wrmoore47@comcast.net>
To: qrp-1@Lehigh.EDU
Subject: [148856] Re: KITS: DSW-II - preliminary info
Message-ID: <008d01c2ff92\$e4d81630\$962bcd88@thaadsivv.sed.redstone.army.mil>
MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks for the info, Dave!!

I'm sure this exercise of patience is good for our character!!!

73,
Randy, KS4L
Huntsville, AL

Date: Thu, 10 Apr 2003 15:00:46 -0400 (Eastern Daylight Time)
From: W2AGN <w2agn@w2agn.net>
To: ThomasPalmer@colliergov.net, qrp-1@Lehigh.EDU
Subject: [148857] Re: /QRP v. /Q
Message-ID: <3E95BF5E.000001.98317@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

I'm with Tom. If the DX says "? /QRP" darn right I'll send "W2AGN/QRP."
Likewise, any time the DX sends "AGN?" I'll throw one in there, too. More
than once it has worked!

+-----+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-----Original Message-----

From: ThomasPalmer@colliergov.net
Date: Thursday, April 10, 2003 02:43:33 PM
To: Low Power Amateur Radio Discussion
Subject: /QRP v. /Q

I never send "N1TP/QRP" except after the other station has just indicated
that he/she is requesting calls from QRP stations (in non-QRP events).
However, I've frequently heard DX ask "QRP?" when it seemed that the DX just
heard only "/QRP" at the end of someone's call sign or heard.

Date: Thu, 10 Apr 2003 15:11:38 -0400

From: "KB9BVN" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>
Subject: [148858] Spring Clean - RE-DO
Message-ID: <001701c2ff95\$0344b680\$4505020a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry about the repeat...I had the wrong price in the last message.

Spring Clean

Heathkit HW-9 with WARC bands. Covers 80, 40, 30, 20, 17, 15, 12, 10 bands.

Works great, looks great. No mods that I know of. I have had it a little over a year and I have made lots of contacts with it and my attic dipole.

\$185.00 shipped anywhere in the US from Indy. I will ship overseas, just ask me for shipping costs.

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

Date: Thu, 10 Apr 2003 14:14:34 -0500
From: "Jim NOUR" <n0ur@attbi.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [148859] Re: /QRP v. /Q
Message-ID: <000301c2ff95\$6c4b9d60\$6a202942@ce1.client2.attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For what its worth. I always sign /qrp when CQing. Many have stopped by just to give me a signal report on my qrp signal.

On the other hand, I have passed up many CQers, who I would of called if they signed "/qrp". I will not pass on the chance of a 2XQRP contact.

Jim

N0UR...../qrp (almost forgot)

Date: Thu, 10 Apr 2003 15:38:59 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: hochfeld@rci.rutgers.edu,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148860] Re: Stupid Antenna Questions
Message-ID: <5.2.0.9.2.20030410152452.03c71c00@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Dave... I'll have a go at this...

- 1) Higher SWR might cause increased current-but the opposite can also occur... so it's just not that good a yardstick for antenna performance.
- 2) The tuner goes on the rig side-how else could you tell when the tuner was tuned.
- 3) Typical SWR bridge losses are not that big a deal. As long as you're making an antenna, get it at-or below-1.5:1 and quit worrying about it. If you're not planning on operating multi-band, you don't need the tuner with a 'regular' coax-fed, full-sized antenna. If you plan to use the twin-lead/etc. feedline, or operate on more than one band, use the tuner.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

Date: 10 Apr 2003 14:46:07 -0500
From: Rob Matherly <w0jrm@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>,
fpqrp-1@fpqrp.com, qrpp-i@yahooogroups.com
Subject: [148861] Balanced Output QRP Rig?
Message-ID: <1050003979.5426.189.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

Hi All;

Can anyone point me to schematics for a solid-state QRP rig with a
balanced output?

TIA

72/73/oo
Rob, w0jrm

Date: Thu, 10 Apr 2003 15:46:22 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [148862] Re: Stupid Antenna Questions
Message-ID: <5.1.1.6.1.20030410153357.00a74040@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>(2) I have in mind using the NJ QRP Balanced Line Tuner and a Radio Shack
>SWR meter I picked up for \$7 on sale along with a dipole fed by
>twin-lead. Does it matter in which order the tuner and SWR meter are
>placed? Should the tuner go on the antenna side or rig side relative to
>the SWR meter?
>
>(3) What's the insertion loss for a typical SWR meter? For QRP purposes,
>should I focus on getting the antenna perfect, or is it OK to use a
>reasonably decent antenna with a tuner and meter?

Dave,

I've found inexpensive "CB-style" SWR meters to be difficult to use with QRP rigs at lower frequencies. I have one that's really good for up to 2M, but at 80M and 40M a low-power transmitter like a Heath HW-8 wouldn't give full meter deflection in the FWD direction. Also, these types of meters (similar to the "Monimatch" published by the ARRL years ago) present the full mismatch SWR to the transmitter if the antenna system isn't tuned. Best case this will cause false readings because transmitter output power is reduced under high SWR situations, causing your FWD calibration adjustment to be incorrect. Worst case, a severe mismatch will damage your transmitter final stage.

Take a look at the Norcal Balanced Line Tuner (BLT) kit:
<<http://www.norcalqrp.com/blt/blt.htm>>

It includes components for a visual SWR indicator using an LED. This SWR indicator causes significant loss since it's using transmitter power to light the LED, but the kit includes a switch to bypass it once the system is tuned up. Since it uses a resistive divider, your transmitter sees no more than a 3:1 SWR (I think - is that right guys?) which is tolerable to most radios. And it saves carrying a second box in your pack.

As for positioning the SWR meter, it goes between the transmitter and the tuner.

Dave

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Date: Thu, 10 Apr 2003 15:51:37 -0400 (Eastern Daylight Time)
From: W2AGN <w2agn@w2agn.net>

To: hochfeld@rci.rutgers.edu, qrp-1@Lehigh.EDU
Subject: [148863] Re: Stupid Antenna Questions
Message-ID: <3E95CB49.000001.98317@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

-----Original Message-----

(1) Does current drawn from the power supply decrease with decreasing SWR? In other words, does lower current drawn by the rig indicate that the antenna is more efficient? Or is it the other way around, that higher current from the power supply means that the antenna is radiating more power?

More current drawn from power supply does NOT mean more power into the antenna. Some rigs have a circuit that cuts back transmitter power with high swr, so the rig will draw less, but other rigs may draw more current off-resonance." (until the final transistor gives up its smoke)

(2) I have in mind using the NJ QRP Balanced Line Tuner and a Radio Shack SWR meter I picked up for \$7 on sale along with a dipole fed by twin-lead. Does it matter in which order the tuner and SWR meter are placed? Should the tuner go on the antenna side or rig side relative to the SWR meter?

SWR bridge goes on rig side of tuner...with the BLT tuner, it has an LED SWR indicator, so you can save the extra weight and skip the SWR bridge.

(3) What's the insertion loss for a typical SWR meter? For QRP purposes, should I focus on getting the antenna perfect, or is it OK to use a reasonably decent antenna with a tuner and meter?

You indicated balanced line tuner, so a flattop of 44' or more is fine. To make tuning easier, AVOID a resonant antenna. Then the antenna will work on harmonically related bands. Look at the NORCAL DOUBLET for a supremely simple antenna to use with the BLT. A typical reflectometer type SWR indicator has little loss. A resistive bridge type must be switched out after tuning. You didn't indicate which you had.

+-----+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

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End of QRP-L Digest 2886

